D

$$3x + x = 1 \rightarrow 4x = 1 \rightarrow x = 1$$

P(SAIR LARA) = $3x \rightarrow 3 \cdot 1 = 3$
P(SAIR CORDA) = $x \rightarrow 1$

$$P(x=0) = \frac{1}{4} \cdot \frac{1}{4} = \boxed{\frac{1}{4}}$$

$$P(x=1) = \frac{1}{4} \cdot \frac{3}{4} + \frac{3}{4} \cdot \frac{1}{4} = \frac{3}{46} + \frac{3}{46} = \boxed{\frac{6}{16}}$$

$$P(x=2) = \frac{3}{4} \cdot \frac{3}{4} = \boxed{\frac{9}{16}}$$

$$P(x=4) = \frac{1 \cdot 2}{5 \cdot 4} + \frac{2 \cdot 1}{5 \cdot 4} \cdot \frac{2 \cdot L}{5 \cdot 4} = \frac{2 + 2 + 2 = 6}{20}$$

$$P(x=5) = \frac{2 \cdot L}{5 \cdot 4} + \frac{1 \cdot 2}{5 \cdot 4} = \frac{2}{20} + \frac{2}{20} = \frac{9}{20}$$

	1	2	3	4	5	6
1	1,1	1,2	1,3	1,4	1,5	1,6
2	2,1	2,2	2,3	2,4	2,5	2,6
	3,1	3,2	3,3	3,4	3,5	3,6
4	nit	4,2	4,3	2,4	4,5	4,6
	5,1	5,2	5,3	5,4	5,5	5,6
6	6,1	16,2	6,3	6,4	16,5	6,6

x=a+by=max(a,b)

$$S_{x} = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\}$$

$$((1,1) = 2)$$

$$(2,1); (1,2) = 3$$

$$(3,1); (2,2); (1,3) = 4$$

$$(4,1); (3,2); (2,3); (1,4) = 5$$

$$(5,1); (4,2); (3,3); (2,4); (1,5) = 6$$

$$(6,1); (5,2); (4,3); (3,4); (2,5); (1,6) = 7$$

$$(6,2); (5,3); (4,4); (3,5); (2,6) = 8$$

$$(6,3); (5,4); (4,5); (3,6) = 9$$

$$(6,4); (5,5); (4,6) = 10$$

$$(6,5); (5,6) = 11$$

$$(6,6) = 12$$

(Januara

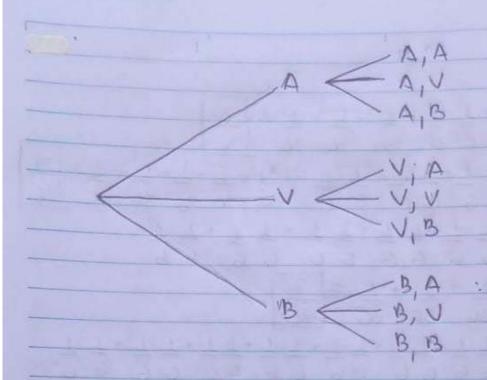
P(x=1)= L. L = L) 6 6 361 6 6 6 6 6 6 36 36 36 136 P(K=3)=1 L+L.L+L.L+L.L+L.L=1+L+L=15 6 6 6 6 6 6 6 6 6 6 36 36 36 36 36 36 B(X=A)=T.T+T.T+T.T+P.T+T.T+T.T+T.T+ 66 6 6 6 6 6 6 6 6 6 6 6 6 = 1 + 1 + 1 + 1 + 1 + 1 = 7 36 36 36 36 36 36 36 36 666666666666666666 36 36 36 36 36 36 36 36 36 36 = 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = 111 36 36 36 36 36 36 36 36 36 36 36 36 (5)

(5) a) 2a + a + 4a = 1 -> 7a = 1 -> a = 1 7

b) P(0 < X < 3) = P(x = 1) + P(x = 2) + P(x = 3) 2a + a + 4a = 7 a -> 7 · 1 = 7

P(0< X<2)=P(X=1)=2a + 2 + = 2





X = BOLAS BRANCAS Y = BOLAS VERDES

a) Com PEPOSIÇÃO $P(x=0) = 9 \cdot 9 = 81$ $14 \cdot 14 \cdot 196$ $P(x=1) = 5 \cdot 9 + 9 \cdot 5 = 45 + 45 = 90$ $14 \cdot 14 \cdot 14 \cdot 196 \cdot 196 \cdot 196$ $P(x=2) = 5 \cdot 5 = 25$ $14 \cdot 14 \cdot 196$

$$P(Y=0) = 11 \cdot 11 = 121$$

$$P(Y=1) = 11 \cdot 3 + 3 \cdot 11 = 33 + 33 = 66$$

$$11 \cdot 19 \cdot 19 \cdot 19 \cdot 196 \cdot 196 \cdot 196$$

b) SET PEPOSIÇÃO

$$P(Y=0) = 11 \cdot 10 = |110|$$
 $P(Y=1) = 3 \cdot 11 + 11 \cdot 3 = 33 + 33 = |66|$
 $P(Y=2) = 3 \cdot 2 = 6$
 $P(Y=2) = 3 \cdot 2 = 6$

$$P(x=0) = 9 \cdot 8 = 72$$

$$14 \cdot 13 = 182$$

$$P(x=1) = 5 \cdot 9 + 9 \cdot 5 = 45 + 45 = 90$$

$$14 \cdot 13 = 1 \cdot 13 = 182 = 182$$

$$P(x=2) = 3 \cdot 2 = 6$$

$$14 \cdot 13 = 182$$

a)
$$P(x<5) = P(x=2) + P(x=3) + P(x=4)$$

 $= (\frac{1}{6} \cdot \frac{1}{6}) + (\frac{1}{6} \cdot \frac{1}{6} + \frac{1}{6} \cdot \frac{1}{6}) + (\frac{1}{6} \cdot \frac{1}{6} + \frac{1}{6} \cdot \frac{1}{6} + \frac{1}{6} \cdot \frac{1}{6})$
 $= \frac{1}{36} + \frac{2}{36} + \frac{3}{36} = \frac{6}{36}$

(8)

K,K =

- K, K, C

K,K,K

X= N= DE CORDAS

 $P(x=0) = 1 \cdot 1 \cdot 1 = 1$

 $P(X=L) = \frac{1}{2} \cdot \frac{1}{$

P(x=3)=1.1.1=1.

(3) p+2p=1 + 3p=1 + p= 1

 $P(x>5) = P(x=10) = 2p - 2 \cdot 1 = 2$